ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 091998, 551A
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing.  Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) (MCNN) missing the <220> "Feature" and associated numeric identifiers and responses.  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.
	AMC/MH - Biotechnology Systems Branch - 08/21/2001

Page 1 of 6



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RAW SEQUENCE LISTING

DATE: 08/21/2002

PATENT APPLICATION: US/09/998,551E

TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\I998551E.raw

**ENTERED** 

```
3 <110> APPLICANT: Nelson, Bryce P
              Liles, Mark R
              Frederick, Kendra
      5
              Corn, Robert M
              Robert, Goodman M
      9 <120> TITLE OF INVENTION: Label-Free Detection of Nucleic Acids Via Surface Plasmon
Resonance
     11 <130> FILE REFERENCE: 09820.155
     13 <140> CURRENT APPLICATION NUMBER: 09/998,551E
     14 <141> CURRENT FILING DATE: 2001-11-29
     16 <150> PRIOR APPLICATION NUMBER: 09/456,038
     17 <151> PRIOR FILING DATE: 1999-12-03
     19 <150> PRIOR APPLICATION NUMBER: 09/368,991
     20 <151> PRIOR FILING DATE: 1999-08-05
     22 <150> PRIOR APPLICATION NUMBER: 60/132,342
     23 <151> PRIOR FILING DATE: 1999-05-04
     25 <160> NUMBER OF SEQ ID NOS: 14
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64 <223> OTHER INFORMATION: n is C or T

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/998,551E

DATE: 08/21/2002
TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\1998551E.raw

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RAW SEQUENCE LISTING DATE: 08/21/2002 PATENT APPLICATION: US/09/998,551E TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\I998551E.raw

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/998,551E

DATE: 08/21/2002
TIME: 14:45:48

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\1998551E.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the  $\langle 220 \rangle$  to  $\langle 223 \rangle$  fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 12
Seq#:2; N Pos. 3